

Land Rover Defender Intercooler

Fitting Instructions

Tools needed:

- Ratchet and Socket Set
- Jubilee Flexi-Driver or Flat-Blade Screwdriver
- Phillips Screwdriver
- Dremmel Tool or similar

Kit Includes:

- AIRTEC Motorsport Intercooler
- 2x M8x30mm Hex Head bolts
- 2x Washers



PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions

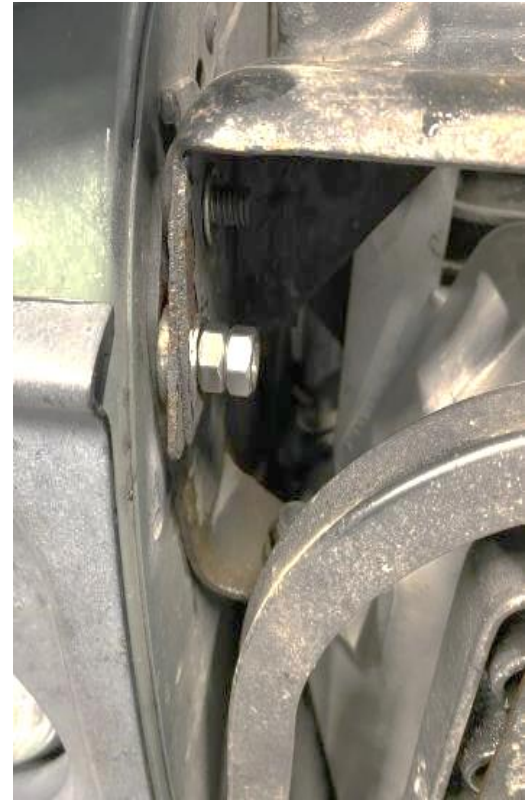
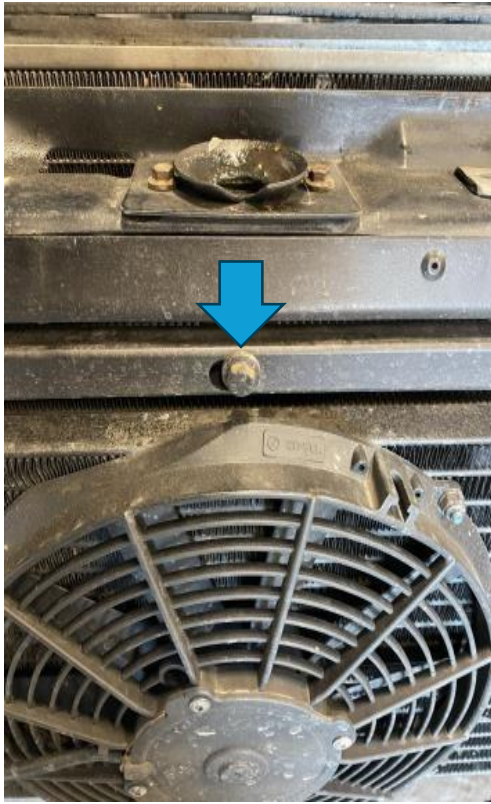
1. Open the bonnet and remove the front grille by undoing the six Philips screws; four along the top and one each side. Then pull the grille forward to release it.



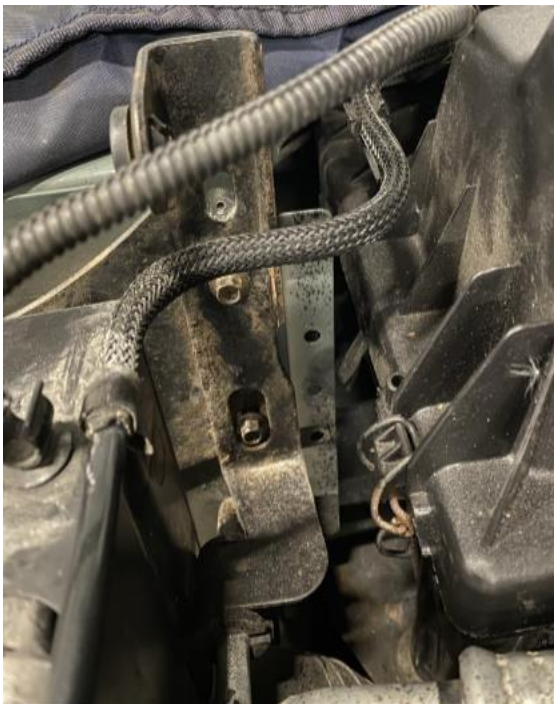
2. Now remove the fan shroud by undoing six Philips screws holding it in place. These screws are captive so will not fully come out.



3. Remove the upper panel by undoing the 10mm centre bolt and two 13mm nuts either side. The studs these attach to will need to be removed to take the panel out. To do so, fit two nuts onto the stud and use a second spanner to lock them together. Then unwind the first nut and the stud will come with it. Repeat this process for all four studs and then position the panel out of the way, you will not be able to fully remove the panel due to the bonnet cable. There are washers behind the panel on each side, ensure that you do not lose these as they are reused when reinstalling the panel.



4. At this stage, you will need to find a support for the bonnet. You can then remove the four 8mm bolts (two each side) holding the brackets in place. On the left-hand side, the top bolt undoes the bracket that supports the air conditioning pipework. This cannot be removed, so just slide the bracket up the pipe and out of the way.



5. Undo the intercooler hoses using a jubilee flexi-driver or flat-blade screwdriver and then release the hoses from the intercooler end tanks.



6. Now undo the two 13mm bolts at the top of the intercooler.



7. In order to remove the intercooler, you will need to undo the two bolts at the bottom of the air conditioning condenser surround. This allows the surround to be pulled forward slightly whilst a second person can lift the left-hand side of the intercooler to release it and then rotate it round before lifting out the right-hand side.



8. With the intercooler removed you will need to trim the plastic blocks from each side of the radiator using a Dremmel tool, hack saw or similar.



9. **Please note:** If you have a model fitted WITHOUT air conditioning, then the slam panel supports will need to be bent slightly forward to create clearance, as shown.



10. Finally, install the AIRTEC Motorsport intercooler in reverse of removal. You will need a second person to help hold the air conditioning condenser forward. Use the supplied M8 bolts with washers to replace those removed in Step 6 and then reassemble the vehicle in the reverse of removal, but do not fully tighten the bolts in the bottom of the air conditioning condenser surround yet. Once you have reinstalled the top panel and done up the 10mm bolt you can then tighten the bolts in the bottom corners of the air conditioning condenser surround.

